

IN THE CLAIMS:

1. (Currently Amended) A ~~tyre~~self-sealing device for a tire on a vehicle wheel, said device comprising: ~~equipped with a tyre~~tire

a wheel having a rim;

a wheel hub supporting said wheel;

a wheel supply circuit;

an inflating and deflating valve that ensures a supply of ~~for~~ supplying compressed air by means of a pressurised ~~from a~~ pressurized circuit, wherein the ~~wherein said valve (12) is~~ positioned between the ~~said wheel (2) and the wheel hub (5) and~~ wherein it comprises sealing means (19) integrated into the ~~said~~ wheel supply circuit, said sealing means (19) being activated in ~~the~~ activatable to an open position in the presence of the ~~said~~ valve and in the ~~to a~~ closed position in the absence of the ~~said~~ valve.

2. (Currently Amended) A The self-sealing device according to Claim 1, wherein ~~the~~said wheel supply circuit comprises a bore, and said sealing means (19) are constituted by ~~comprise:~~

a spring;

a first seat having a cone-shaped profile;

a finger (30) extended by a truncated cone-shaped part (31)

~~able to move under the action of a~~ and movable responsive to
action of the spring (32) inside a said bore (18) made in the
wheel supply circuit, said truncated cone-shaped part (31) able
to be applied movable against a said first seat (33) having a
cone-shaped profile under the action of a responsive to action of
the spring to close the said wheel supply circuit.

3. (Currently Amended) TheA self-sealing device according to
Claim 2, further comprising a revolving joint and communication
means, wherein the said valve (12) is constituted of comprises a
valve bonnet (13) and a second seat, said valve defining (14)
and wherein it forms a case a chamber delimited by the said hub
(5) and the bonnet, both fitted with said hub and said bonnet
being attached to the communication means for supplying to
enable the provision of compressed air to the said wheel (1) from
a through said revolving joint, (9), the said second seat (14)
being placed located on the said wheel and the said valve bonnet
(13) on the said wheel hub supporting the wheel.

4. (Currently Amended) TheA self-sealing device according to
Claim 3, wherein the valve's axis of symmetry of said valve is
the same as the wheel's axis of spin of said wheel.

5. (Currently Amended) TheA self-sealing device according to Claim 4, wherein ~~thesaid~~ sealing means (19) are arranged so as to act axially with respect to ~~thesaid~~ wheel.

6. (Currently Amended) TheA self-sealing device according to Claim 5, wherein ~~thesaid~~ valve (12) is screwed into ~~thesaid~~ wheel hub (5).

7. (Currently Amended) TheA self-sealing device according to Claim 6, wherein ~~thesaid second seat (14)~~ is provided with comprises an indexing organ (15) indexable with respect to ~~thesaid~~ hub.

8. (Currently Amended) TheA self-sealing device according to Claim 7, wherein ~~thesaid~~ indexing (15) organ is a screw.

9. (Currently Amended) TheA self-sealing device according to Claim 4, wherein ~~thesaid~~ sealing means (19) are placed ~~so as to~~ act radially with respect to ~~thesaid~~ wheel (2).

10. (Currently Amended) TheA self-sealing device according to Claim 9, wherein: the

said second valve seat (14) is extended by a substantially

truncated cone-shaped part ~~(43)~~ ~~intended to cooperate with~~
~~the~~ having a surface cooperating with said sealing means, said
cone-shaped part ~~extension being fitted with~~ comprising said
communication means ~~(44, 45)~~ located between said valve (12) and
said wheel, (1) ~~and wherein the~~

said wheel rim (2) of the wheel (1) is defines a closed seal
with respect to an area external to the wheel ~~to the exterior.~~

11. (Currently Amended) TheA self-sealing device according to
Claim 10, wherein ~~the~~ said valve bonnet ~~(13)~~ is held in the said
hub ~~(5)~~ by friction.

12. (Currently Amended) TheA self-sealing device according to
Claim 9, further comprising a substantially cylindrical part
capped by a plug having a ramp for cooperating with said sealing
means, wherein the said second seat (14) is extended by a
substantially said cylindrical part ~~capped by a plug (55) having~~
~~a ramp (57) intended to cooperate with the sealing means (19),~~
said plug being screwed onto said part, and wherein the said
wheel ~~(1)~~ is being open to the exterior an area external to the
wheel.

13. (Currently Amended) TheA self-sealing device according to Claim 10, further comprising a chamber delimited by said wheel rim and said second seat, wherein it—said device comprises ~~incorporates~~ sealing means positioned ~~so as to~~ ensure a gradual ~~depressurisation of the~~depressurization of said chamber (54) when ~~the~~said valve is dismantled.

14. (Currently Amended) TheA self-sealing device according to Claim 5, wherein ~~the~~said second seat (14) is fastened to ~~the~~said wheel rim ~~(2)~~.

15. (Currently Amended) TheA self-sealing device according to Claim 14, wherein ~~the~~said wheel rim is provided with a tubular insert ~~(60)~~ onto which ~~the~~said valve is fastened using pressure screws ~~(61)~~.

16. (Currently Amended) TheA self-sealing device according to Claim 1, wherein ~~it incorporates~~ further comprising locating means positioned such that theyfor positioning said wheel to ensure sealing until thesaid sealing means are completely closed.